

## Message Text

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ACTION EUR-25

INFO OCT-01 ISO-00 EURE-00 CIAE-00 PM-07 INR-10 L-03

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SAJ-01 SS-20 NSC-07 ACDA-19 OMB-01 AEC-11 AECE-00

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FM USMISSION NATO

TO SECSTATE WASHDC PRIORITY 5797

SECDEF WASHDC PRIORITY

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USLOSACLANT

CINCLANT

C O N F I D E N T I A L USNATO 2788

E.O. 11652: GDS, 12-31-80

TAGS: MCAP, NATO

SUBJECT: AD-70 SPRING REPORT (1974): BASIC ISSUES OF DEFENSE  
PLANNING

REF: AC/281-WP(74)3(REVISED) (POUCHED NOTAL).

MISSION HAS JUST RECEIVED DRAFT OF ADDITIONAL SECTIONS ON BASIC  
ISSUES (ELECTRONIC WARFARE, MOBILE AIR DEFENSE SYSTEMS, MODERN  
AIR DELIVERED MUNITIONS) PORTION FOR AD-70 SPRING REPORT (1974).  
EWG WILL CONSIDER DRAFT (QUOTED BELOW) DURING MAY 22 MEETING.  
MISSION COMMENT: PARAGRAPH ON MOBILE AIR DEFENSE SYSTEMS  
APPEARS WEAK. AT MISSION'S REQUEST, INTERNATIONAL STAFF IS  
ASKING SHAPE FOR MORE SUBSTANTIAL SUPPORTING DATA. END  
COMMENT.

BEGIN TEXT.

ADDENDUM TO WORKING PAPER AC/281-WP(74)3(REVISED)  
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ADDENDUM TO WORKING PAPER AC/281-WP(74)3(REVISED), DATED 14TH MAY  
1974

PLEASE ADD THE FOLLOWING TEXT OF PARAGRAPHS 120 TO

122(BIS) TO THE ABOVE-QUOTED DOCUMENT:

"ELECTRONIC WARFARE

120 ALTHOUGH NATO'S ELECTRONIC WARFARE DEFICIENCIES HAVE BEEN REPEATEDLY IDENTIFIED WITHIN NATO, NATO AIR FORCES STILL DO NOT POSSESS AN EFFECTIVE ECM CAPABILITY. EFFORTS TO REMEDY THIS SITUATION GEGAN WITH A FEW PROPOSALS IN THE 1973-1977 FORCE GOALS BUT HAVE BEEN EXPANDED CONSIDERABLY IN THE FORCE GOALS FOR 1975-1980. IF FURTHER JUSTIFICATION IS NEEDED, THIS HAS BEEN PROVIDED BY THE EVENTS OF THE OCTOBER 1973 MIDDLE EAST WAR. SOME PROGRESS TOWARDS THE FUTURE ACQUISITION OF ECM EQUIPMENT AND THE FOSTERING OF CO-OPERATIVE PROJECTS HAS BEEN MADE UNDER THE AUSPICES OF CNAD. THE MOST URGENT TASK, HOWEVER, IS TO PROVIDE NATO'S EXISTING AIRCRAFT WITH SIGNIFICANTLY IMPROVED, AND IN MANY CASES, EVEN THE BASIC PROTECTION OFFERED BY ECM EQUIPMENT. THE SITUATION IS NOW SO GRAVE THAT, UNLESS STEPS ARE TAKEN QUICKLY, THE PRESENT ADVERSE BALANCE IN NATO'S ECM CAPABILITY WILL BECOME IRREVERSIBLE. IN THE FACE OF CURRENT SOPHISTICATED SOVIET AIR DEFENCE SYSTEMS THE WHOLE CREDIBILITY OF NATO'S AIR FORCES AS A MODERN FIGHTING FORCE IS IN DOUBT. UNLESS NATIONS ARE PREPARED TO ACT NOW TO ACQUIRE THE NECESSARY EQUIPMENT, THE VERY SURVIVABILITY, LET ALONE MISSION ACCOMPLISHMENT, OF THEIR AIR FORCES IS AT STAKE.

120(BIS) THE SURVIVABILITY, PARTICULARLY AGAINST ATTACK WITH CRUISE MISSILES, OF SURFACE FORCES IN THE ATLANTIC IS SERIOUSLY AFFECTED BY THE LACK OF ADEQUATE ELECTRONIC WARFARE ASSETS. ACLANT EW STANDARDS ARE LAID DOWN IN THE MAJOR NATO COMMANDERS ELECTRONIC WARFARE OPERATIONAL REQUIREMENTS DOCUMENT AND ARE SET FOR ELECTRONIC SUPPORT MEASURES, ELECTRONIC COUNTERMEASURES AND ELECTRONIC COUNTER-COUNTERMEASURES. BOTH QUALITATIVE AND QUANTITATIVE DEFICIENCIES EXIST IN THE FOLLOWING AREAS:

- (A) ELECTRONIC INTERCEPT RECEIVERS WITH AUTOMATIC THREAT RECOGNIZERS TO COVER THE THREAT EMITTERS;
  - (B) DECEPTION REPEATER TRACK BREAKERS CAPABLE OF
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- COUNTERACTING SEVERAL MISSILES SIMULTANEOUSLY;
- (C) CHAFF AND INFRA-RED DECOYS WHICH CAN BE RAPIDLY AND ACCURATELY DEPLOYED;
  - (D) RELIABLE, HIGH POWERED STAND-OFF JAMMERS WHICH CAN BE USED IN ANTI-SHIP MISSILE DEFENCE.

MOBILE AIR DEFENCE SYSTEMS

121. THE MAIN WEAKNESSES OF MOBILE AIR DEFENCE THROUGHOUT ACE ARE, FIRST, SHORTAGE OR OBSOLESCENCE OF MOBILE WEAPONS AND THEN LACK OF STANDARDISATION. SOME NATIONS ARE IN THE PROCESS OF DEPLOYING NEW SHORT RANGE AIR DEFENCE (SHORAD) WEAPONS; HOWEVER, THERE ARE ALMOST AS MANY VARIATIONS OF WEAPONS AS THERE ARE NATIONS. SHORAD WEAPONS SUPPORTING LAND FORCES MUST BE AS

MOBILE AS THE FORCES THEY ARE SUPPORTING. IT IS HIGHLY DESIRABLE THAT THEY ALSO BE ABLE TO ENGAGE AIRCRAFT WHILE THE WEAPON IS MOVING OR AS SOON AS STOPPED AND EACH WEAPON SYSTEM SHOULD HAVE SOME ALL-WEATHER CAPABILITY. THE PANEL, UNDER THE AEGIS OF CNAD, WHICH DEALS WITH LAND-BASED AIR DEFENCE WEAPONS IS CONTINUING ITS STUDIES ON LIGHT AND SELF-DEFENCE SYSTEMS TO DETERMINE IF THEY CAN BE COMMONLY DEVELOPED AND PRODUCED BY MEMBER NATIONS.

MODERN AIR DELIVERED MUNITIONS

122. PROCUREMENT OF MODERN SOPHISTICATED AIR DELIVERED AND SHIP MUNITIONS IS IN A TRANSITION PERIOD WITHIN NATO. ACE FORCE PROPOSALS AND DPQS SHOW THAT MOST MARITIME FORCES HAVE FIRM MODERNISATION PROGRAMMES FOR THE 1975-1980 PERIOD, AND THAT THE AIR FORCES HAVE ALREADY ACQUIRED OR HAVE SHORT TERM PLANS FOR PROCUREMENT OF SOME MODERN MUNITIONS. HOWEVER, THE ISSUE OF THE MORE SOPHISTICATED AIR MUNITIONS SUCH AS PGM(1) WEAPON SYSTEMS WITH EOG(2), LASER GUIDANCE, ETC., IS COMPLEX. THESE WEAPONS ARE MORE EXPENSIVE THAN CONVENTIONAL WEAPONS, AND THEY MIGHT APPEAR TO BE OUT OF REACH ECONOMICALLY FOR SOME NATIONS. HOWEVER, AN ANALYSIS OF HIT PROBABILITIES HAS SHOWN THAT DRASTIC REDUCTIONS IN SORTIES CAN BE ACHIEVED WHEN COMPARED WITH CONVENTIONAL WEAPONS FOR THE SAME TARGETS AND ALSO AN EQUIVALENT DROP IN ATTRITION RATES WITH A RESULTING FAVOURABLE COST EFFECTIVENESS RATIO AS WAS PROVED IN SOUTH EAST ASIA AND THE MIDDLE EAST WAR. NATIONAL AUTHORITIES SHOULD FULLY ACQUAINT

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- (1) PRECISION GUIDED MISSILE.
  - (2) ELECTRO-OPTICAL GUIDANCE.
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THEMSELVES REGARDING THE POTENTIAL INCREASED EFFECTIVENESS OF THEIR FORCES THROUGH EQUIPPING THEM WITH UP-TO-DATE WEAPON DELIVERY SYSTEMS AND OF THE SIGNIFICANT COST EFFECTIVENESS OF THESE TYPE WEAPONS.

122(BIS) THE REQUIREMENT FOR AIR DELIVERED MUNITIONS IN ATLANTIC FOLLOWS FROM INCREASING NUMBER OF POWERFUL SOVIET NAVAL SURFACE TARGETS IN THE ATLANTIC AND A NUMBER OF SO-CALLED SOFT TARGETS, SUCH AS SOVIET ELECTRONIC INTELLIGENCE GATHERING TRAWLERS. EXAMPLES OF MODERN AIR DELIVERED MUNITIONS REQUIRED ARE HARPOON, MARTELL, ORCNEYE, LASER GUIDED BOMBS OF THE MK.82, 83 AND 84 SERIES, WALLEYE, STANDARD ARM, STRIKE AND CONDOR. RELEASE TO NATO AND INTRODUCTION OF SUCH WEAPONS WOULD IMPROVE THE MARITIME POSTURE IN THE ATLANTIC".  
END TEXT  
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<< END OF DOCUMENT >>

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